



North Carolina Department of Environment and Natural Resources

Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

August 27, 2010

Dave Lambert
Iredell County Solid Waste Director
354 Twin Oaks Road
Statesville, NC 28625

Re: Proposed Sample and Analysis Plan
Iredell County Landfill, Permit #49-03

Dear Mr. Lambert,

The Solid Waste Section (Section) has completed a review of the *Proposed Sample and Analysis Plan* submitted on August 23, 2010 on behalf of Iredell County by Municipal Engineering Services Company, P.A. (MESCO). The work plan was submitted in accordance with the Notice of Violation issued by the Section on August 18, 2010.

MESCO proposes to collect a minimum of six soil samples in the vicinity of the leachate breakouts with a stainless steel hand auger from borings approximately five feet below ground surface. The soil samples are proposed to be field screened using and flame ionization detector and/or photo-ionization detector and analyzed for Appendix I volatile organic compounds (VOCs) and metals. Excavation of soils will be dependent on laboratory analytical results. The Section approves the *Proposed Sample and Analysis Plan* under the following conditions:

- Soil samples should be analyzed for nitrate-nitrite(soluble), phosphorus, sulfate(soluble), and ph in addition to the aforementioned parameters
- A background soil sample should be collected
- A soil sample near the sediment basin outlet should be collected
- A surface water sample from the creek and sediment basin should be collected and analyzed for Appendix I VOCs, Appendix I metals, nitrate-nitrite(soluble), phosphorus, sulfate(soluble), ph, biological oxygen demand, and chemical oxygen demand.

Please contact me at (919) 508-8516 or by e-mail at ervin.lane@ncdenr.gov if you have any questions or concerns regarding this letter. Thank you in advance for your anticipated cooperation with this matter.

Sincerely,

Ervin Lane
Compliance Hydrogeologist
Solid Waste Section

Cc: Mark Brown, P.G., MESCO
Mark Poindexter, Field Operations Branch Head
Deb Aja, Western District Supervisor
Charles Gerstell, Environmental Senior Specialist